

Contents of volume 32

Volume 32, Nr. 1, 5 December 1996

Papers

1 Extending MMS event detection to satisfy user-provided predicate-based conditions
P. Castori

17 Reference models and object-oriented method for reuse in production activity control system design
B. Grabot and P. Huguet

33 An integrated approach for fault diagnosis with learning
J. Guan and J.H. Graham

53 BEST-based expert diagnostic system for the aluminum industry
S. Vraneš, M. Stanojević and V. Stevanović

69 A novel system for coloured object recognition
Y.S. Wang, B.J. Griffiths and B.A. Wilkie

79 SPAW: A design tool for planning a manufacturing process in a concurrent engineering environment
B.N. Yetukuri, N.V. Yetukuri and G.W. Fischer

95 Feature-based cost estimation for packaging products using neural networks
Y.F. Zhang, J.Y.H. Fuh and W.T. Chan

Miscellaneous

115 Calendar of conferences and events

Volume 32, Nr. 2, 25 December 1996

Papers

117 A knowledge-based design critique system for manufacture and assembly of rotational machined parts in concurrent engineering
S.W. Changchien and L. Lin

141 A decision support system for project portfolio selection
P.-Y.V. Chu, Y.-L. Hsu and M. Fehling

151 A fuzzy approach to build sonar maps for mobile robots
J. Gasós and A. Martín

169 Application of machine vision techniques in the quality control of pharmaceutical solutions
V. Karathanassi, Chr. Iossifidis and D. Rokos

181 OPPS-ROT: An optimised process planning system for rotational parts
M.C. Kayacan, I.H. Filiz, A.I. Sönmez, A. Baykasoglu and T. Dereli

197 An agent-driven approach to design factory information systems
P. Lefrançois, L. Cloutier and B. Montreuil

219 A STEP based tool path generation system for rough machining of planar surfaces
M. Liang, S. Ahamed and B. van den Berg

Volume 32, Nr. 3, March 1997

233 Expert system for diagnosing computer numerically controlled machines: a case-study
E.L.J. Bohez and M. Thieravarut

249 A skeleton-retrieving approach for the recognition of punch shapes
B.T. Cheok, Y.F. Zhang and L.F. Leow

261 Implementation of fuzzy logic systems and neural networks in industry
T.C.-T. Du and P.M. Wolfe

273 A robotic die polishing system through fuzzy neural networks
R.-J. Kuo

281 Object-oriented job-shop scheduling using genetic algorithms
F. Maturana, P. Gu, A. Naumann and D.H. Norrie

295 Application of the cascade correlation algorithm (CCA) to bearing fault classification problems
J.K. Spoerre

305 Some issues concerning FieldBus design by means of an expert system
A. Di Stefano, L. Lo Bello and O. Mirabella

319 A self-organizing feature map for automated visual inspection of textile products
A.S. Tolba and A.N. Abu-Rezeq

Miscellaneous

335 Book Review

337 Author index to volume 32

339 Subject index to volume 32

341 Contents of volume 3

343 Call for papers